



## STANDARD LOT PERIMETER PROTECTION DESIGN SYSTEM

Flat areas that have a slope no greater than 3% may be configured as described below to provide a desilting function, thus eliminating the need for other protection. The following requirements control the use of this option:

- Maximum holding time is 72 hours.
- Maximum size for using Lot Perimeter Protection is 1 acre of disturbed area.
- Basin shall be sized for the entire pad. Each pad shall be treated separately.
- A berm with a minimum height of 1 foot, shall be placed and compacted along the outlet side. A berm, with a minimum height of 6 inches, shall be installed and compacted around the remaining perimeter of the pad.
- A rock filter shall be placed at the outlet location to slowly release the captured flows. For basins sized between 1 to 0.75 acre the rock filter shall be 6 feet in length. For basins that are sized less than 0.75 acre but greater than 0.10 acre the rock filter shall be 4 feet in length. For basins that are less than or equal to 0.10 acre the rock filter shall be 2 feet in length.
- The rock filter shall have a minimum width of 1 foot.
- The minimum height of the rock filter shall be 1 foot.
- The rock size shall be between 1 to 3 inches in diameter.
- Fiber roll with the equivalent length of the rock filter shall be properly placed 1 foot downstream of the rock filter.
- Access to the pad shall be restricted to prevent tracking off of the pad or appropriate tracking control installed.
- A sketch of this option is on the back of this form.

### *Maintenance and Inspection of all Desiltation Basins*

- Inspect all basins before and after rainfall events and weekly during the rest of the rainy season. During extended rainfall events, inspect at least every 24 hours. Examine basin banks for seepage and structural soundness. Repair banks as needed.
- Check outlet structure and spillway for any damage or obstructions. Repair damages and remove obstructions as needed. Check outlet area for erosion and stabilize, if required.
- Remove accumulated sediment when the depth has reached one-third the original basin depth.

# Standard Lot Perimeter Protection Detail

